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December 11, 1968

MEMORANDUM

TO:

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FROM:

SUBJECT:

Meeting at  
November 18, 1968

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REFERENCE:

2300301-M-1

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The meeting was convened to discuss the sub-  
contract to Subject subcontract was  
approximately a month behind schedule as of the date of the meet-  
ing, and this meeting was called to review progress and plans.

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The meeting convened at about 11:00 a.m. with the following  
in attendance:

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was delayed in transit and joined the meeting later. 25X1

This task can produce useful results of significance to the gen-  
eral mensuration area and to the current DED precise measurements  
study. There are also factors involved in the microdensitometric  
measurement area which can be applied, at least as a technique, in  
human factors work relating to mensuration. The program appears  
now to be well conceived and a definite plan is formulated. The  
details of the meeting follow.

When the photographic steps for Phases II and III were set up,  
elected to perform a complete exposure series  
rather than the two planned. Thus, if time and funds allow, more  
data can be produced as a function on exposure without repeating

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the experimental set-up. The results of Task I are generally as reported in the previous meeting and in the quarterly report. Replication was not sufficient to add much insight although the correlation between 50% density widths and operator readings produced very interesting and potentially useful results.

The intent is to read both Phase II and Phase III film and then correlate data target by target. Operators are unaware of the intent of the work, so little contamination of data should be present. The operators are [redacted] [redacted] - all known to the writer and considered to be a good choice of personnel. [redacted] is assisting in the statistical study and [redacted] apparently doing the bulk of the data processing.

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Printed plans and summaries were available for the meeting. They hope to have the measurements taken by December 30, 1968. Targets 1 and 6 (reversed pair) are being used, as per earlier agreement. They will then have six weeks to do the final data analysis. There is a good chance that all exposure levels may be analyzed. The f/8 series is expected to be completed by December 15th. Thus, Phases II and III are being worked on concurrently.

The correlation between half-density points and operator measurement was most interesting. It is felt that this evidence shows that the interface between the observer and the subject may be quite definable.

I recommended that they try the 50% transmittance difference point also. The exact response of the eye in such matters is not well defined and such an analysis might help tie down this question. The photographs have been replicated five times, and [redacted] feels that this may eliminate some of the odd results encountered before. Certainly, such replication is an essential part of the experiment. They intend analyzing one complete set of replicated data to establish confidence limits as a function of density. [redacted] requested that results be conveyed to him as soon as one (replicated) exposure level on one target is completed.

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There appears to be no reason why this program cannot produce useful results. The data furnished indicates that overhead and G&A rates (120/10, approximately) allow sufficient hours to complete more work than initially planned. It would probably be wise to keep some management pressure applied from the customer, but aside from this, no action is indicated.

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